

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 1. (Currently Amended) A computer implemented method of modifying code
2 to be compatible with a runtime library, wherein the code is received from a remote source, the
3 method comprising the steps of:
4 receiving a code segment from the remote source, wherein the code segment
5 includes a first reference that identifies the remote source;
6 tokenizing the code segment into a plurality of tokens;
7 parsing the plurality of tokens so as to determine relationships between the
8 plurality of tokens;
9 translating the code segment into a modified code segment based on the
10 determined relationships between the tokens such that the modified code segment is compatible
11 with the runtime library, including translating the first reference to a second reference that is
12 directed to a proxy server such that the modified code segment includes the second reference
13 directed to the proxy server,
14 wherein usage of the second reference in a client device causes a request to be
15 sent to the proxy server rather than the remote site.

1 2. (Currently Amended) The method of claim 1, wherein the code segment
2 [[is]] includes one of a JavaScript code segment, a Java code segment, an ActiveX code segment
3 and a markup language segment.

1 3. (Currently Amended) The method of claim 1, wherein the runtime library
2 is linked to a browser application in a client device communicably coupled to [[a]] the proxy
3 server, and wherein the steps of receiving, tokenizing, parsing and translating the code segment
4 are performed in the proxy server.

1 4. (Original) The method of claim 3, further including the step of sending the
2 modified code from the proxy server to the client device to be processed by the browser.

1 5. (Original)The method of claim 3, wherein the client device is
2 communicably coupled to the proxy server over the Internet.

1 6. (Original) The method of claim 1, wherein the proxy server performs the
2 steps of receiving, tokenizing, parsing and translating the code segment.

1 7. (Currently Amended) The method of claim 1, wherein the runtime library
2 is linked to a browser application in a client device communicably coupled to [[a]] the proxy
3 server, wherein the step of receiving the code segment from the remote source is performed in
4 the proxy server, wherein the steps of tokenizing, parsing and translating the code segment are
5 performed in the client device, and wherein the method further includes the step of sending the
6 code segment from the proxy server to the client device.

1 8. (Original) The method of claim 7, wherein the code segment includes a
2 dynamically assembled portion.

1 9. (Original) The method of claim 7, wherein the client device is
2 communicably coupled to the proxy server over the Internet.

1 10. (Original) The method of claim 1, wherein the step of translating includes
2 translating a first function call to a second function call, wherein the second function call is
3 compatible with the runtime library.

1 11. (Original) The method of claim 1, wherein the step of translating includes
2 translating a function call to a variable, wherein the variable is compatible with the runtime
3 library.

1 12. (Original) The method of claim 1, wherein the step of translating includes
2 translating a first variable to a second variable, wherein the second variable is compatible with
3 the runtime library.

1 13. (Original) The method of claim 1, wherein the step of translating includes
2 translating a variable to a function call, wherein the function call is compatible with the runtime
3 library.

1 14. (Original) The method of claim 1,
2 wherein the code segment includes one or more first elements selected from the
3 group consisting of:

4 digits, characters, keywords, literals, identifiers, operators, expressions,
5 statements, variables, regular expressions, functions, arguments and programs;

6 wherein the modified code segment includes one or more second elements
7 selected from the group consisting of:

8 digits, characters, keywords, literals, identifiers, operators, expressions,
9 statements, variables, regular expressions, functions, arguments and programs; and

10 wherein the second elements are compatible with the runtime library.

1 15. (Currently Amended) A computer readable medium containing
2 instructions for controlling a computer system to modify a code segment received from a remote
3 source to be compatible with a runtime library, by:

4 tokenizing the code segment into a plurality of tokens, wherein the code segment
5 includes a first reference that identifies the remote source;

6 parsing the plurality of tokens so as to determine relationships between the
7 plurality of tokens;

8 translating the code segment into a modified code segment based on the
9 determined relationships between the tokens such that the modified code segment is compatible
10 with the runtime library, including translating the first reference to a second reference that is
11 directed to a proxy server such that the modified code segment includes the second reference
12 directed to the proxy server,

13 wherein usage of the second reference in a client device causes a request to be
14 sent to the proxy server rather than the remote source.

1 16. (Currently Amended) The computer readable medium of claim 15,
2 wherein the code segment [[is]] includes one of a JavaScript code segment, a Java code segment,
3 an ActiveX code segment and a markup language segment.

1 17. (Original) The computer readable medium of claim 15, further comprising
2 instructions for handling an exception when an exception occurs.

1 18. (Currently Amended) The computer readable medium of claim 15,
2 wherein the runtime library is implemented on a client device communicably coupled to [[a]] the
3 proxy server.

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1 19. (Original) The computer readable medium of claim 15, wherein the
2 instructions for translating include instructions for translating a function call to a variable,
3 wherein the variable is compatible with the runtime library.

1 20. (Original) The computer readable medium of claim 15, wherein the
2 instructions for translating include instructions for translating a first variable to a second
3 variable, wherein the second variable is compatible with the runtime library.

1 21. (Original) The computer readable medium of claim 15, wherein the
2 instructions for translating include instructions for translating a first function call to a second
3 function call, wherein the second function call is compatible with the runtime library.

1 22. (Original) The computer readable medium of claim 15, wherein the
2 instructions for translating include instructions for translating a variable to a function call,
3 wherein the function call is compatible with the runtime library.

1 23. (Original) The computer readable medium of claim 15,
2 wherein the code segment includes one or more first elements selected from the
3 group consisting of:

4 digits, characters, keywords, literals, identifiers, operators, expressions,
5 statements, variables, regular expressions, functions, arguments and programs;
6 wherein the modified code segment includes one or more second elements
7 selected from the group consisting of:
8 digits, characters, keywords, literals, identifiers, operators, expressions,
9 statements, variables, regular expressions, functions, arguments and programs; and
10 wherein the second elements are compatible with the runtime library.

1 24. (New) The computer-implemented method of claim 1, wherein the first
2 reference includes a destination link directed to the remote site, and wherein the second reference
3 includes a destination link identifying the remote site but directed to the proxy server.

1 25. (New) The computer-implemented method of claim 1, wherein the first
2 reference includes an HTML link with a URL directed to the remote site, and wherein the second
3 reference includes a second HTML link with a second URL directed to the proxy server.

1 26. (New) The computer readable medium of claim 15, wherein the first
2 reference includes a destination link directed to the remote site, and wherein the second reference
3 includes a destination link identifying the remote site but directed to the proxy server.

1 27. (New) The computer readable medium of claim 15, wherein the first
2 reference includes an HTML link with a URL directed to the remote site, and wherein the second
3 reference includes a second HTML link with a second URL directed to the proxy server.

1 28. (New) A computer-implemented method of modifying code to be
2 compatible with a runtime library resident on a client device, the method comprising:
3 receiving a code segment by the client device from a proxy server, wherein the
4 proxy server retrieved the code segment from a remote source in response to a request from the
5 client device;
6 tokenizing the code segment into a plurality of tokens;

7 parsing the plurality of tokens so as to determine one or more relationships
8 between the plurality of tokens; and
9 translating the code segment into a modified code segment based on the
10 determined relationships between the tokens such that the modified code segment is compatible
11 with the runtime library,
12 wherein tokenizing, parsing and translating are performed by the client device.

1 29. (New) The method of claim 28, wherein the runtime library is linked to a
2 browser application in the client device, and wherein the client device is communicably coupled
3 with the proxy server over the Internet.

1 30. (New) The method of claim 28, wherein the code segment includes a
2 dynamically assembled portion.

1 31. (New) The method of claim 28, wherein translating includes one or more
2 of:

3 translating a first function call to a second function call compatible with the
4 runtime library;

5 translating a function call to variable compatible with the runtime library; and

6 translating a first variable to a second variable compatible with the runtime

7 library; and

8 translating a variable to a function call compatible with the runtime library.

1 32. (New) A computer-implemented method of modifying code to be
2 compatible with a runtime library resident on a client device, the method comprising:

3 receiving a code segment by a proxy server, wherein the proxy server retrieved
4 the code segment from a remote source in response to a request from the client device;

5 tokenizing the code segment into a plurality of tokens;

6 parsing the plurality of tokens so as to determine one or more relationships
7 between the plurality of tokens; and

8 translating the code segment into a modified code segment based on the
9 determined relationships between the tokens such that the modified code segment is compatible
10 with the runtime library,
11 wherein one or more of tokenizing, parsing and translating are performed by the
12 client device, and wherein the remainder are preformed by the proxy server.

1 33. (New) The method of claim 32, wherein the runtime library is linked to a
2 browser application in the client device, and wherein the client device is communicably coupled
3 with the proxy server over the Internet.

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1 34. (New) The method of claim 32, wherein translating includes one or more
2 of:

3 translating a first function call to a second function call compatible with the
4 runtime library;

5 translating a function call to variable compatible with the runtime library; and

6 translating a first variable to a second variable compatible with the runtime
7 library; and

8 translating a variable to a function call compatible with the runtime library.

1 35. (New) A computer implemented method, comprising:

2 receiving a code segment over a network connection, the segment including a first
3 reference to a remote site, wherein usage of the first reference would cause a message to be sent
4 to the remote site; and

5 modifying the code segment to be compatible with a runtime library, including
6 translating the first reference to a second reference that is directed to a proxy server, wherein
7 usage of the second reference in a client device causes a message to be sent to the proxy server
8 instead of the remote site.

1 36. (New) The method of claim 35, wherein receiving and modifying are
2 performed in a client device communicably coupled with the proxy server, and wherein the code
3 segment is received from the proxy server.

1 37. (New) The method of claim 35, wherein the code segment is received
2 from the remote site and wherein modifying is performed partially in a client device
3 communicably coupled with the proxy server and partially in the proxy server.

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1 38. (New) The method of claim 35, wherein the first reference includes a
2 destination link with a URL directed to the remote site, and wherein the second reference
3 includes a destination link with a URL directed to the proxy server.

1 39. (New) The method of claim 35, wherein the second reference includes
2 information identifying the remote site.

1 40. (New) A computer implemented method of establishing a persistent
2 communication session between a client system and a proxy server wherein the client system is
3 able to interact with a plurality of remote sites via the same proxy server across multiple network
4 requests, the method comprising:

5 establishing a communication session between the client system and a proxy
6 server;

7 receiving at the proxy server a plurality of first code segments from a
8 corresponding plurality of remote sites, each first code segment including a first reference to the
9 corresponding remote site, wherein usage of the first reference in each first code segment would
10 cause a network request to be sent to the corresponding remote site; and

11 translating the first reference of each first code segment to a second reference that
12 identifies the corresponding remote site but is directed to the proxy server, wherein usage of each
13 second reference in the client device causes a network request to be sent to the proxy server
14 rather than the corresponding remote site; and

15 using, in the client system, one or more of the second references such that one or
16 more corresponding network requests are sent to the proxy server.

1 41. (New) The method of claim 40, wherein using one or more of the second
2 references is performed in the client system with or without a user input.

1 42. (New) The method of claim 40, wherein translating is performed entirely
2 within the proxy server, the method further including sending translated code segments with the
3 second references to the client system.

1 43. (New) The method of claim 40, wherein translating is performed entirely
2 within the client system, the method further including sending the first code segments to the
3 client system.

1 44. (New) The method of claim 40, wherein translating is performed partially
2 within the proxy server and partially within the client system, the method further including
3 sending partially translated code segments to the client system.
